

Sub B2  
A2  
extruded onto the electrical cable, and the extruded coating is cross-linked in the presence of water or steam, wherein said polyethylene granulate comprises a polyethylene homopolymer and a copolymer of ethylene with an amount of acrylate between 10-35%, and wherein the acrylate content in the insulating coating on the cable is between 1 and 8% by weight.

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Sub C2  
5. (Amended) A method as claimed in claim 4, wherein the regranulate provided with a catalyst or a catalyst batch is introduced into an extruder, extruded onto the electrical cable, and the coating extruded onto the electrical cable is cross-linked in the presence of water or steam.

Sub B3  
A3  
6. (Amended) A method as claimed in claim 4, wherein the granular polyethylene homopolymer material alone is coated with the liquid cross-linking agent in a compounding system, melted, grafted, homogenized and subsequently regranulated, and the regranulate and a granular copolymer of ethylene with an acrylate content of more than 30%, and a catalyst, are placed into an extruder, where the mixture is melted, homogenized and extruded onto the electrical cable and cross-linked.

7. (Amended) A method as claimed in claim 1, wherein the polyethylene copolymer used is an ethylene butyl acrylate (EBA), an ethylene ethyl acrylate (EEA) or an ethylene methyl acrylate (EMA), each with an acrylate content of 10% - 35%.

Sub C4  
8. (Amended) A method as claimed in claim 1, wherein a granular material of polyethylene homopolymer and copolymer of ethylene is placed into an extruder, a liquid mixture of silane, peroxide and possibly a stabilizer as well as a catalyst or a highly concentrated catalyst batch is likewise placed into the extruder, and the mixture is melted, grafted and

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*Subcl  
cont.  
A3* → homogenized in the extruder, and the grafted, homogenized material is extruded onto the  
electrical cable and cross-linked in the presence of water or steam.

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